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PATENT

Docket No.: 2283/301

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Leivan DeVeylder et al

Serial No. : 09/574,735

Conf. No. : 1507

Filed : May 18, 2000

For : CYCLIN-DEPENDENT KINASE INHIBITORS
AND USES THEREOF

Examiner:

C. Collins

Art Unit:

1638

STATEMENT UNDER 37 C.F.R. § 1.825(a) AND (b)Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

I hereby state that support for the substitute paper copy of the Sequence Listing exists in the above-captioned application as originally filed. The substitute paper copy of the Sequence Listing submitted herewith does not add new matter to the application as originally filed. In addition, the information recorded in the substitute computer readable form (CRF) of the Sequence Listing submitted herewith, is identical to the information contained in the substitute paper copy of the Sequence Listing.

Respectfully submitted,

Ann R. Pokalsky

Registration No. 34,697

Dated: October 12, 2001

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G201614.1

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date below.

10/12/01
DateMaria Matos
Maria Matos

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):



- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

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Applicant Must Provide:

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- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

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SEQUENCE LISTING

<110> De Veylder, Lieven
Beeckman, Tom
Inzé, Dirk
Van Camp, Wim
Krols, Luc

<120> Cyclin-dependent kinase inhibitors and uses thereof

<130> 2283/301

<140> US 09/574,735

<141> 2000-05-18

<160> 48

<170> PatentIn version 3.0

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 Lys Pro Ser Ser Leu Ile Glu Pro Lys Gln Pro Pro Arg Val His Arg
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 Phe Val Ser Val Gln Val Ser Cys Gly Glu Asn Ser Leu Gly Phe Glu
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 Ala Thr Lys Glu Tyr Thr Arg Glu Gln Asp Asn Val Ile Pro Thr Thr
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 Leu Phe Met Glu Lys Tyr Asn Phe Asp Ile Val Asn Asp Ile Pro Leu
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26

<210> 22
<211> 25
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe or
Primer

<400> 22
gatcccggt tagtctgtta actcc

25

<210> 23
<211> 69
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe or
Primer

<400> 23
cccgctcgag atggtgagaa aatataaaaa agctaaagga tttgtagaag ctggagtttc 60
gtcaacgta 69

<210> 24
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe or
Primer

<400> 24
ggactagttc actctaactt taccattcg

30

<210> 25
<211> 32
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe or
Primer

<400> 25
gatcatctta agcatcatcg tcttcttcat gg

32

<210> 26
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe or
Primer

<400> 26

taggagcata tggcggcgg

19

<210> 27

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe or
Primer

<400> 27

atatcagcgc catggaagtc

20

<210> 28

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe or
Primer

<400> 28

ggagctggat ccttttggaa ttcattg

27

<210> 29

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe or
Primer

<400> 29

taggagcata tggcggcgg

19

<210> 30

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe or
Primer

<400> 30

atcatcgaat tcttcattgga ttc

23

<210> 31
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Probe or
Primer

<400> 31
atatcagcgc catggaagtc

20

<210> 32
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Probe or
Primer

<400> 32
ggagctggat ccttttggaa ttcattgg

27

<210> 33
<211> 11
<212> PRT
<213> Arabidopsis thaliana

<220>
<221> UNSURE
<222> (5)
<223> Xaa at position 5 may be Asp or Glu

<220>
<221> UNSURE
<222> (6)..(8)
<223> Xaa at any of positions 6, 7 or 8 may be any amino
acid

<400> 33
Val Arg Arg Arg Xaa Xaa Xaa Val Glu Glu
1 5 10

<210> 34
<211> 8
<212> PRT
<213> Arabidopsis thaliana

<220>
<221> UNSURE
<222> (2)..(3)
<223> Xaa at positions 2 and 3 may be any amino acid

<400> 34
Phe Xaa Xaa Lys Tyr Asn Phe Asp
1 5

<210> 35
<211> 8
<212> PRT
<213> Arabidopsis thaliana

<220>
<221> UNSURE
<222> (1)
<223> Xaa at position 1 may be Pro or Leu

<220>
<221> UNSURE
<222> (3)
<223> Xaa at position 3 may be any amino acid

<400> 35
Xaa Leu Xaa Gly Arg Tyr Glu Trp
1 5

<210> 36
<211> 10
<212> PRT
<213> Arabidopsis thaliana

<220>
<221> UNSURE
<222> (2)
<223> Xaa at position 2 may be any amino acid

<220>
<221> UNSURE
<222> (4)
<223> Xaa at position 4 may be Asp or Glu

<220>
<221> UNSURE
<222> (7)..(9)
<223> Xaa at positions 7, 8 or 9 may be any amino acid

<400> 36
Glu Xaa Glu Xaa Phe Phe Xaa Xaa Xaa Glu
1 5 10

<210> 37
<211> 8
<212> PRT
<213> Arabidopsis thaliana

<220>
<221> UNSURE
<222> (2)
<223> Xaa at position 2 may be any amino acid

<400> 37
Tyr Xaa Gln Leu Arg Ser Arg Arg
1 5

<210> 38
<211> 9
<212> PRT
<213> Arabidopsis thaliana

<220>
<221> UNSURE
<222> (5)
<223> Xaa at position 5 may be Met or Ile

<220>
<221> UNSURE
<222> (6)
<223> Xaa at position 6 may be Lys or Arg

<220>
<221> UNSURE
<222> (8)
<223> Xaa at position 8 may be any amino acid

<220>
<221> UNSURE
<222> (9)
<223> Xaa at position 9 may be Lys or Arg

<400> 38
Met Gly Lys Tyr Xaa Xaa Lys Xaa Xaa
1 5

<210> 39
<211> 8
<212> PRT
<213> Arabidopsis thaliana

<220>
<221> UNSURE
<222> (2)
<223> Xaa at position 2 may be any amino acid

<400> 39
Ser Xaa Gly Val Arg Thr Arg Ala
1 5

<210> 40
<211> 327
<212> PRT
<213> Arabidopsis thaliana

<400> 40
Met Gly Lys Tyr Ile Arg Lys Ser Lys Ile Asp Gly Ala Gly Ala Gly
1 5 10 15
Ala Gly Gly Gly Gly Gly Gly Gly Gly Gly Glu Ser Ser Ile Ala
20 25 30
Leu Met Asp Val Val Ser Pro Ser Ser Ser Ser Ser Leu Gly Val Leu
35 40 45
Thr Arg Ala Lys Ser Leu Ala Leu Gln Gln Gln Gln Gln Arg Cys Leu
50 55 60

Leu	Gln	Lys	Pro	Ser	Ser	Pro	Ser	Ser	Leu	Pro	Pro	Thr	Ser	Ala	Ser	
65					70				75						80	
Pro	Asn	Pro	Pro	Ser	Lys	Gln	Lys	Met	Lys	Lys	Lys	Gln	Gln	Gln	Met	
				85					90					95		
Asn	Asp	Cys	Gly	Ser	Tyr	Leu	Gln	Leu	Arg	Ser	Arg	Arg	Leu	Gln	Lys	
			100					105					110			
Lys	Pro	Pro	Ile	Val	Val	Ile	Arg	Ser	Thr	Lys	Arg	Arg	Lys	Gln	Gln	
		115					120					125				
Arg	Arg	Asn	Glu	Thr	Cys	Gly	Arg	Asn	Pro	Asn	Pro	Arg	Ser	Asn	Leu	
		130				135					140					
Asp	Ser	Ile	Arg	Gly	Asp	Gly	Ser	Arg	Ser	Asp	Ser	Val	Ser	Glu	Ser	
145					150					155					160	
Val	Val	Phe	Gly	Lys	Asp	Lys	Asp	Leu	Ile	Ser	Glu	Ile	Asn	Lys	Asp	
			165					170						175		
Pro	Thr	Phe	Gly	Gln	Asn	Phe	Phe	Asp	Leu	Glu	Glu	Glu	His	Thr	Gln	
			180					185					190			
Ser	Phe	Asn	Arg	Thr	Thr	Arg	Glu	Ser	Thr	Pro	Cys	Ser	Leu	Ile	Arg	
		195					200					205				
Arg	Pro	Glu	Ile	Met	Thr	Thr	Pro	Gly	Ser	Ser	Thr	Lys	Leu	Asn	Ile	
		210				215						220				
Cys	Val	Ser	Glu	Ser	Asn	Gln	Arg	Glu	Asp	Ser	Leu	Ser	Arg	Ser	His	
225					230				235						240	
Arg	Arg	Arg	Pro	Thr	Thr	Pro	Glu	Met	Asp	Glu	Phe	Phe	Ser	Gly	Ala	
			245					250						255		
Glu	Glu	Glu	Gln	Gln	Lys	Gln	Phe	Ile	Glu	Lys	Tyr	Val	Phe	Pro	Arg	
			260					265					270			
Phe	Ile	Cys	Ser	Val	Leu	Leu	Val	Met	Ser	Phe	Gln	Phe	Val	Leu	Phe	
		275					280					285				
Phe	Ser	Phe	Gly	Leu	Val	Ser	Leu	Met	Val	Ser	Val	Asn	Ser	Phe	Phe	
		290				295					300					
Arg	Tyr	Asn	Phe	Asp	Pro	Val	Asn	Glu	Gln	Pro	Leu	Pro	Gly	Arg	Phe	
305					310					315					320	
Glu	Trp	Thr	Lys	Val	Asp	Asp										
				325												

<210> 41
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Probe or
 Primer

<400> 41
 agaccatggc ggcggtagg ag

22

<210> 42
 <211> 12
 <212> PRT
 <213> Tag-100 epitope

<400> 42
 Glu Glu Thr Ala Arg Phe Gln Pro Gly Tyr Arg Ser
 1 5 10

<210> 43
<211> 10
<212> PRT
<213> c-myc epitope

<400> 43
Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
1 5 10

<210> 44
<211> 7
<212> PRT
<213> FLAG-epitope

<400> 44
Asp Tyr Lys Asp Asp Asp Lys
1 5

<210> 45
<211> 9
<212> PRT
<213> HA-epitope

<400> 45
Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
1 5

<210> 46
<211> 12
<212> PRT
<213> protein C epitope

<400> 46
Glu Asp Gln Val Asp Pro Arg Leu Ile Asp Gly Lys
1 5 10

<210> 47
<211> 11
<212> PRT
<213> VSV epitope

<400> 47
Tyr Thr Asp Ile Glu Met Asn Arg Leu Gly Lys
1 5 10

<210> 48
<211> 9
<212> DNA
<213> Escherichia coli

<400> 48
agg aga aga
Arg Arg Arg
1